

L Number	Hits	Search Text	DB	Time stamp
1	120	multimetal adj oxide\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:34
2	170	562/532.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:34
3	273	562/535.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:34
4	67791	antimony	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:34
12	406	502/312.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:42
13	385	562/532.ccls. or 562/535.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:42
14	36	502/312.ccls. and (562/532.ccls. or 562/535.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:42
15	1172	ammonium adj heptamolybdate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:42
17	1844	copper adj carbonate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:43
18	0	MoCu\$ and ((ammonium adj heptamolybdate) and (copper adj carbonate))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:43
5	2	9627437.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:43
6	1	0811597.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:43
7	15	562/532.ccls. and (multimetal adj oxide\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:43
8	2	6084126.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:43
9	2	6084126.URPN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:43
10	12	(multimetal adj oxide\$) and 562/535.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:43
11	6	((multimetal adj oxide\$) and 562/535.ccls.) and antimony	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:43
16	36	(502/312.ccls. and (562/532.ccls. or 562/535.ccls.)) and (562/532.ccls. or 562/535.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:43

19	7	(ammonium adj heptamolybdate) and (copper adj carbonate)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:43
20	2	5730951.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:43
21	194	MoCu\$	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:43
22	2	5521137.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:43
23	2	19740493.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:49
24	2	"19740493"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 12:49

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
1	BRS	L1	120	multimetal adj oxide\$	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:34		Truncation overflow.
2	BRS	L2	170	562/532.ccls.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:34		
3	BRS	L3	273	562/535.ccls.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:34		
4	BRS	L4	67791	antimony	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:34		
5	BRS	L12	406	502/312.ccls.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:42		
6	BRS	L13	385	562/532.ccls. or 562/535.ccls.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:42		
7	BRS	L14	36	502/312.ccls. and (562/532.ccls. or 562/535.ccls.)	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:42		

	Err ors
1	1
2	0
3	0
4	0
5	0
6	0
7	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
8	BRS	L15	1172	ammonium adj heptamolybdate	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:42		
9	BRS	L17	1844	copper adj carbonate	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:43		
10	BRS	L18	0	MoCu\$ and ((ammonium adj heptamolybdate) and (copper adj carbonate))	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:43		
11	BRS	L5	2	9627437.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:43		
12	BRS	L6	1	0811597.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:43		
13	BRS	L7	15	562/532.ccls. and (multimetal adj oxide\$)	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:43		Truncation overflow.
14	BRS	L8	2	6084126.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:43		
15	BRS	L9	2	6084126.URPN.	USPAT	2003/06/25 12:43		

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8	0
9	0
10	0
11	0
12	0
13	1
14	0
15	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
16	BRS	L10	12	(multimetal adj oxide\$) and 562/535.ccls.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:43		Truncation overflow.
17	BRS	L11	6	((multimetal adj oxide\$) and 562/535.ccls.) and antimony	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:43		Truncation overflow.
18	BRS	L16	36	(502/312.ccls. and (562/532.ccls. or 562/535.ccls.)) and (562/532.ccls. or 562/535.ccls.)	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:43		
19	BRS	L19	7	(ammonium adj heptamolybdate) and (copper adj carbonate)	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:43		
20	BRS	L20	2	5730951.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:43		
21	BRS	L21	194	MoCu\$	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:43		
22	BRS	L22	2	5521137.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:43		

	Err ors
16	1
17	1
18	0
19	0
20	0
21	0
22	0



	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
23	BRS	L23	2	19740493.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:49		
24	BRS	L24	2	"19740493"	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2003/06/25 12:49		

	Err ors
23	0
24	0

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptal623paz

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	Jun 03	New e-mail delivery for search results now available
NEWS	4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	7	Sep 03	JAPIO has been reloaded and enhanced
NEWS	8	Sep 16	Experimental properties added to the REGISTRY file
NEWS	9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	11	Oct 24	BEILSTEIN adds new search fields
NEWS	12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	13	Nov 18	DKILIT has been renamed APOLLIT
NEWS	14	Nov 25	More calculated properties added to REGISTRY
NEWS	15	Dec 04	CSA files on STN
NEWS	16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	17	Dec 17	TOXCENTER enhanced with additional content
NEWS	18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	20	Feb 13	CANCERLIT is no longer being updated
NEWS	21	Feb 24	METADEX enhancements
NEWS	22	Feb 24	PCTGEN now available on STN
NEWS	23	Feb 24	TEMA now available on STN
NEWS	24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS	25	Feb 26	PCTFULL now contains images
NEWS	26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS	27	Mar 20	EVENTLINE will be removed from STN
NEWS	28	Mar 24	PATDPAFULL now available on STN
NEWS	29	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS	30	Apr 11	Display formats in DGENE enhanced
NEWS	31	Apr 14	MEDLINE Reload
NEWS	32	Apr 17	Polymer searching in REGISTRY enhanced
NEWS	33	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS	34	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS	35	Apr 28	RDISCLOSURE now available on STN
NEWS	36	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS	37	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS	38	May 15	Supporter information for ENCOMPAT and ENCOMPLIT updated
NEWS	39	May 16	CHEMREACT will be removed from STN

NEWS 40 May 19 Simultaneous left and right truncation added to WSCA  
 NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and right truncation  
 NEWS 42 Jun 06 Simultaneous left and right truncation added to CBNB  
 NEWS 43 Jun 06 PASCAL enhanced with additional data  
 NEWS 44 Jun 20 2003 edition of the FSTA Thesaurus is now available

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT  
 MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),  
 AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
 NEWS HOURS STN Operating Hours Plus Help Desk Availability  
 NEWS INTER General Internet Information  
 NEWS LOGIN Welcome Banner and News Items  
 NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
 NEWS WWW CAS World Wide Web Site (general information)

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 07:31:50 ON 25 JUN 2003

=> reg  
 THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE  
 Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
	0.21	0.21
FULL ESTIMATED COST		

FILE 'REGISTRY' ENTERED AT 07:31:59 ON 25 JUN 2003  
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 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 24 JUN 2003 HIGHEST RN 536971-45-6  
 DICTIONARY FILE UPDATES: 24 JUN 2003 HIGHEST RN 536971-45-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties

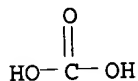
in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> e copper carbonate/cn  
E1 1 COPPER CARBIDE SILICIDE/CN  
E2 1 COPPER CARBIDE SULFIDE (CU3CS2)/CN  
E3 2 --> COPPER CARBONATE/CN  
E4 1 COPPER CARBONATE (1:1)/CN  
E5 1 COPPER CARBONATE (CU(HCO2)2)/CN  
E6 1 COPPER CARBONATE (CU2CO3)/CN  
E7 1 COPPER CARBONATE (CUCO3)/CN  
E8 1 COPPER CARBONATE HYDROXIDE/CN  
E9 1 COPPER CARBONATE HYDROXIDE (CU2(CO3)(OH))/CN  
E10 1 COPPER CARBONATE HYDROXIDE (CU2(CO3)(OH)2) MONOHYDRATE/CN  
E11 1 COPPER CARBONATE HYDROXIDE (CU2(CO3)OH)2) HYDRATE/CN  
E12 1 COPPER CARBONATE HYDROXIDE (CU2(OH)2CO3)/CN

=> e3  
L1 2 "COPPER CARBONATE"/CN

=> d 11

L1 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2003 ACS  
RN 7492-68-4 REGISTRY  
CN Carbonic acid, copper salt (8CI, 9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN **Copper carbonate (6CI, 7CI)**  
OTHER NAMES:  
CN Cupromaag  
DR 17301-00-7  
MF C H2 O3 . x Cu  
CI COM  
LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT,  
CHEMCATS, CHEMLIST, CIN, EMBASE, GMELIN\*, IFICDB, IFIPAT, IFIUDB,  
NIOSTIC, PDLCOM\*, PIRA, PROMT, TOXCENTER, TULSA, USPAT2, USPATFULL,  
VTB (\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)  
CRN (463-79-6)



●x Cu(x)

358 REFERENCES IN FILE CA (1957 TO DATE)  
19 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
358 REFERENCES IN FILE CAPLUS (1957 TO DATE)  
47 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

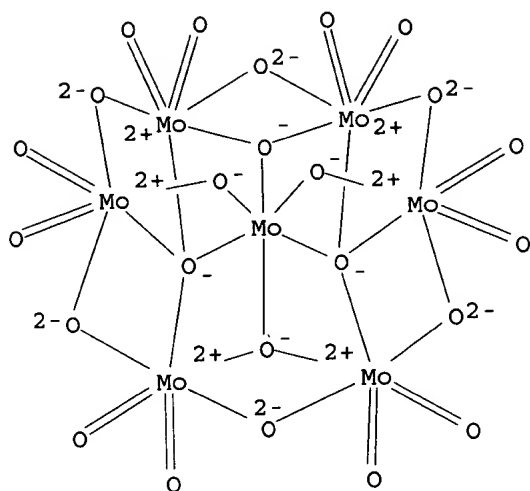
=> e ammonium heptamolybdate/cn  
E1 1 AMMONIUM HEPTAFLUOROZIRCONATE(IV)/CN  
E2 1 AMMONIUM HEPTAISOTHIOCYANATOTHOATE(IV)/CN  
E3 1 --> AMMONIUM HEPTAMOLYBDATE/CN

E4 1 AMMONIUM HEPTAMOLYBDATE ((NH4)6Mo7O24)/CN  
 E5 1 AMMONIUM HEPTAMOLYBDATE ((NH4)6Mo7O24) TETRAHYDRATE/CN  
 E6 1 AMMONIUM HEPTANITROSYLTRITHIOXOTETRAFERRATE(III)/CN  
 E7 1 AMMONIUM HEPTANOATE/CN  
 E8 1 AMMONIUM HEPTATHIOCYANATOQUOTHORATE(IV)/CN  
 E9 1 AMMONIUM HEPTATUNGSTATE ((NH4)6Mo7O24)/CN  
 E10 1 AMMONIUM HEPTYL SULFATE/CN  
 E11 1 AMMONIUM HEXAAMMINECOBALT OXOHXACARBONATODIZIRCONATE(IV),  
 N ONAHYDRATE/CN  
 E12 1 AMMONIUM HEXAAMMINECOBALT(3+) DIPERCHLORATE DICHLORIDE/CN

=> e3  
 L2 1 "AMMONIUM HEPTAMOLYBDATE"/CN

=> d 12

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS  
 RN 12027-67-7 REGISTRY  
 CN Molybdate (Mo7O246-), hexaammonium (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Ammonium molybdate(VI) ((NH4)6Mo7O24) (6CI)  
 CN Molybdic acid (H6Mo7O24), hexaammonium salt (8CI)  
 OTHER NAMES:  
 CN **Ammonium heptamolybdate**  
 CN Ammonium heptamolybdate ((NH4)6Mo7O24)  
 CN Ammonium molybdate  
 CN Ammonium molybdate ((NH4)6(Mo7O24))  
 CN Ammonium molybdate ((NH4)6Mo7O24)  
 CN Ammonium paramolybdate  
 CN Ammonium paramolybdate ((NH4)6Mo7O24)  
 CN Hexaammonium heptamolybdate  
 CN Hexaammonium tetracosaoxoheptamolybdate  
 CN Hexaammonium tetracosaoxoheptamolybdate(6-)  
 CN PM 20  
 DR 12501-45-0  
 MF H4 N . 1/6 Mo7 O24  
 CI CCS, COM  
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, BIOTECHNO,  
 CA, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST, CIN, CSCHM,  
 EMBASE, HSDB\*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK\*, MSDS-OHS,  
 NIOSHTIC, PIRA, PROMT, RTECS\*, TOXCENTER, TULSA, USPAT2, USPATFULL, VTB  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)  
 CRN (12274-10-1)



● 6  $\text{NH}_4^+$

2097 REFERENCES IN FILE CA (1957 TO DATE)  
 60 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 2100 REFERENCES IN FILE CAPLUS (1957 TO DATE)  
 20 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

```
=> e ammonium paratungstate/cn
E1      1      AMMONIUM PARAMOLYBDATE HEXAHYDRATE/CN
E2      1      AMMONIUM PARAMOLYBDATE TETRAHYDRATE/CN
E3      2  --> AMMONIUM PARATUNGSTATE/CN
E4      1      AMMONIUM PARATUNGSTATE ((NH4)10W12O41.5H2O)/CN
E5      1      AMMONIUM PARATUNGSTATE (5(NH4)2O.12WO3.5H2O)/CN
E6      1      AMMONIUM PARINARATE/CN
E7      1      AMMONIUM PECTATE/CN
E8      1      AMMONIUM PELARGONATE/CN
E9      1      AMMONIUM PENICILLIN G/CN
E10     1      AMMONIUM PENTAAMMONIATE/CN
E11     1      AMMONIUM PENTABORATE ((NH4)B5O8)/CN
E12     1      AMMONIUM PENTABORATE (NH4B5O8)/CN
```

```
=> e3
L3      2 "AMMONIUM PARATUNGSTATE"/CN
```

```
=> d l3
```

```
L3      ANSWER 1 OF 2  REGISTRY  COPYRIGHT 2003 ACS
RN      12028-06-7  REGISTRY
CN      Tungstate (W7O246-), hexaammonium (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN      Ammonium tungstate(VI) ((NH4)6W7O24) (6CI, 7CI)
CN      Tungstic acid (H6W7O24), hexaammonium salt (8CI)
OTHER NAMES:
CN      Ammonium heptatungstate [(NH4)6Mo7O24]
CN      Ammonium paratungstate
CN      Ammonium tungstate ((NH4)6W7O24)
DR      12293-38-8, 12501-52-9, 52232-69-6
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MF H4 N . 1/6 O24 W7

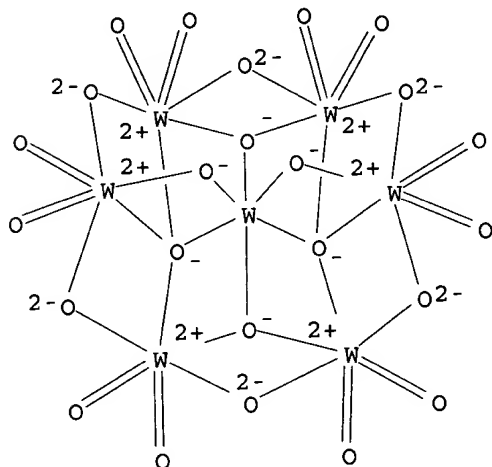
CI CCS

LC STN Files: ANABSTR, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CBNB,  
CHEMLIST,

CIN, IFICDB, IFIPAT, IFIUDB, PROMT, TOXCENTER, USPAT2, USPATFULL  
Other Sources: EINECS\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

CRN (12440-35-6)



● 6 NH<sub>4</sub><sup>+</sup>

227 REFERENCES IN FILE CA (1957 TO DATE)  
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
228 REFERENCES IN FILE CAPLUS (1957 TO DATE)  
8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
18.90	19.11

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 07:34:02 ON 25 JUN 2003

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FILE COVERS 1907 - 25 Jun 2003 VOL 138 ISS 26  
FILE LAST UPDATED: 24 Jun 2003 (20030624/ED)

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> 11

L4 886 L1

=> 12

L5 2100 L2

=> 13

L6 436 L3

=> 14 and 15

L7 2 L4 AND L5

=> 17 and 16

L8 1 L7 AND L6

=> d 18 ti fbib abs

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

TI Two powder synthesis of hydrotalcite and hydrotalcite-like compounds with  
polyvalent inorganic anions

AN 1998:192059 CAPLUS

DN 128:272366

TI Two powder synthesis of hydrotalcite and hydrotalcite-like compounds with  
polyvalent inorganic anions

IN Martin, Edward S.; Stinson, John M.; Cedro, Vito, III; Horn, William E.,  
Jr.

PA Aluminum Company of America, USA

SO U.S., 10 pp., Cont.-in-part of U.S. Ser. No. 487,816, abandoned.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 9

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5730951	A	19980324	US 1996-647509	19960514
				US 1994-235504	A219940429
				US 1994-290220	B219940815
				US 1995-487816	B219950607
				US 1994-235504	19940429
	US 5514361	A	19960507		

PATENT FAMILY INFORMATION:

FAN 1996:110349

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9529874	A1	19951109	WO 1995-US167	19950106
	W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US				
	RW: KE, MW, SD, SZ, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	US 5514361	A	19960507	US 1994-235504	A119940429
				US 1994-235504	19940429

CA 2189020	AA	19951109	CA 1995-2189020	19950106
AU 9515594	A1	19951129	US 1994-235504 A	19940429
AU 708168	B2	19990729	AU 1995-15594	19950106
EP 759888	A1	19970305	US 1994-235504 A	19940429
EP 759888	B1	20000315	WO 1995-US167 W	19950106
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SE			US 1994-235504 A	19940429
HU 75979	A2	19970528	WO 1995-US167 W	19950106
BR 9507557	A	19970805	HU 1996-2991	19950106
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PI WO 9605140	A1	19960222	WO 1995-US166	19950106
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TT, UA, US				
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PI US 5578286	A	19961126	US 1995-482390	19950607
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PI US 5728363	A	19980317	US 1996-625584	19960328
			US 1994-235504 A2	19940429
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US 5514361	A	19960507		
FAN 1998:186426			APPLICATION NO.	DATE
PATENT NO.	KIND	DATE	-----	-----
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PI US 5728364	A	19980317	US 1996-629717	19960409
			US 1994-235504 A2	19940429
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US 5514361	A	19960507		
FAN 1998:186427			APPLICATION NO.	DATE
PATENT NO.	KIND	DATE	-----	-----
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PI US 5728365	A	19980317	US 1996-645665	19960514
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FAN 1998:186428			APPLICATION NO.	DATE
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PI US 5728366	A	19980317	US 1996-645666	19960514
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FAN 1998:457159			APPLICATION NO.	DATE
PATENT NO.	KIND	DATE	-----	-----
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PI US 5776424	A	19980707	US 1996-629713	19960409
			US 1994-235504 A2	19940429
			US 1994-290220 B2	19940815
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			US 1994-235504	19940429
US 5514361	A	19960507		
AB Anion-intercalated layered double hydroxides are manufd. by reacting a				
powder of .gtoreq.1 divalent metal compd. with a powder of .gtoreq.1				
trivalent metal compd. in (carboxylic acid-free) aq. suspension, then				
contacting the resulting double hydroxide intermediate with an acid, salt				
of an acid, or ammonium salt of an anion to make an intercalated layered				
double hydroxide. Polyvalent inorg. anion-intercalated hydrotalcite-like				
material is manufd. by first reacting a Mg-contg. powder and a transition				
Al2O3 powder in (carboxylic acid-free) aq. suspension to form a				
meixnerite				
intermediate. This intermediate is then contacted with a polyvalent				
inorg. anion in its acid, acid salt or ammonium salt form, to make a				

hydrotalcite-like material. The latter is then sepd. from the suspension.

Representative materials include a hydrotalcite-like material intercalated

with a borate, metatungstate or paramolybdate anion, e.g.,  $\text{Al}_0.31\text{Mg}_{0.69}(\text{OH})_2(\text{MoO}_4)_{0.15}(\text{CO}_3)_{0.015} \cdot 1.09 \text{H}_2\text{O}$ . In an example, hydromagnesite 100 g was mixed with rehydratable alumina (size 2 .mu.m)

31 g in 750 mL deionized water, and the slurry was stirred at room temp. for 3 h under addn. of liq.  $\text{CO}_2$  to raise the pressure to 40.1 atm. Then, the system was heated to 50.degree.C for 2 h. The resulting dried filter cake

contained major amts. of hydrotalcite.

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> 17 not 18

L9 1 L7 NOT L8

=> d 19 ti

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

TI Regulating wastewater treatment agent dosage based on operational system stresses

=> d 18 ti fbib abs15 and 16

L6 IS NOT VALID HERE

For an explanation, enter "HELP DISPLAY".

=> 15 and 16

L10 91 L5 AND L6

=> MoCu?

L11 97 MOCU?

=> 110 and 111

L12 0 L10 AND L11

=> WCu?

L13 146 WCU?

=> 110 and 113

L14 0 L10 AND L13

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
15.95	35.06

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.65	-0.65

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SESSION WILL BE HELD FOR 60 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 07:39:39 ON 25 JUN 2003